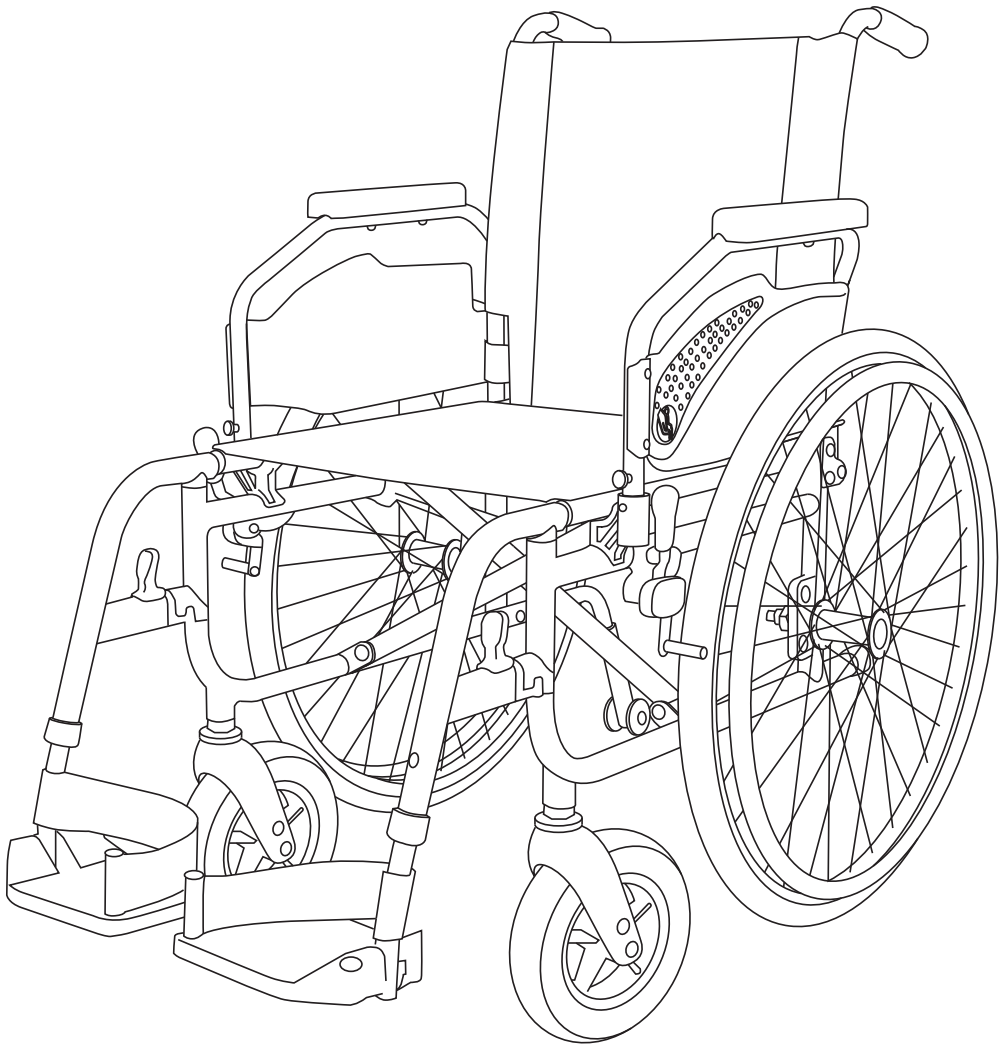
USER MANUAL

EN

# EXIGO 10



handicare

MB3195-EN-B

## Congratulations on your choice of new wheelchair.

Quality and functionality are keywords for all Handicare wheelchairs.
Legend 2 Exigo is manufactured by Handicare.
For your own safety, and in order to get the greatest benefit from the features of your new wheelchair, we recommend that you read this user manual carefully before you start to use the wheelchair.

## About Handicare Exigo 10

Exigo 10 has been developed in collaboration with the market. The result is a unique wheelchair that is very comfortable and has good rolling characteristics. A total width only 18 cm greater than the seat width provides good accessibility through narrow doors and in tight spaces.
Exigo 10 is easy to transport in a car or in other vehicles; the chair is only 30 cm wide when folded.

## Intended use

Exigo 10 is designed for both indoor and outdoor use. This wheelchair has been developed for persons with disabilities and as an aid for those who have problems with walking. Users who can control the wheelchair by rolling, steering and braking it themselves can use the wheelchair without an assistant.

## Adjusting the wheelchair

All adjustments mentioned in this User manual are to be performed by qualified personnel or in consultation with qualified personnel.

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# *Parts of the wheelchair*

In order to be able to read and understand this manual it is important that you familiarise yourself with the most common terms that we use for the different parts of the wheelchair.
Have a look at figure 1 and note the relevant parts on your wheelchair.
The equipment on your wheelchair may vary slightly from the figure shown.

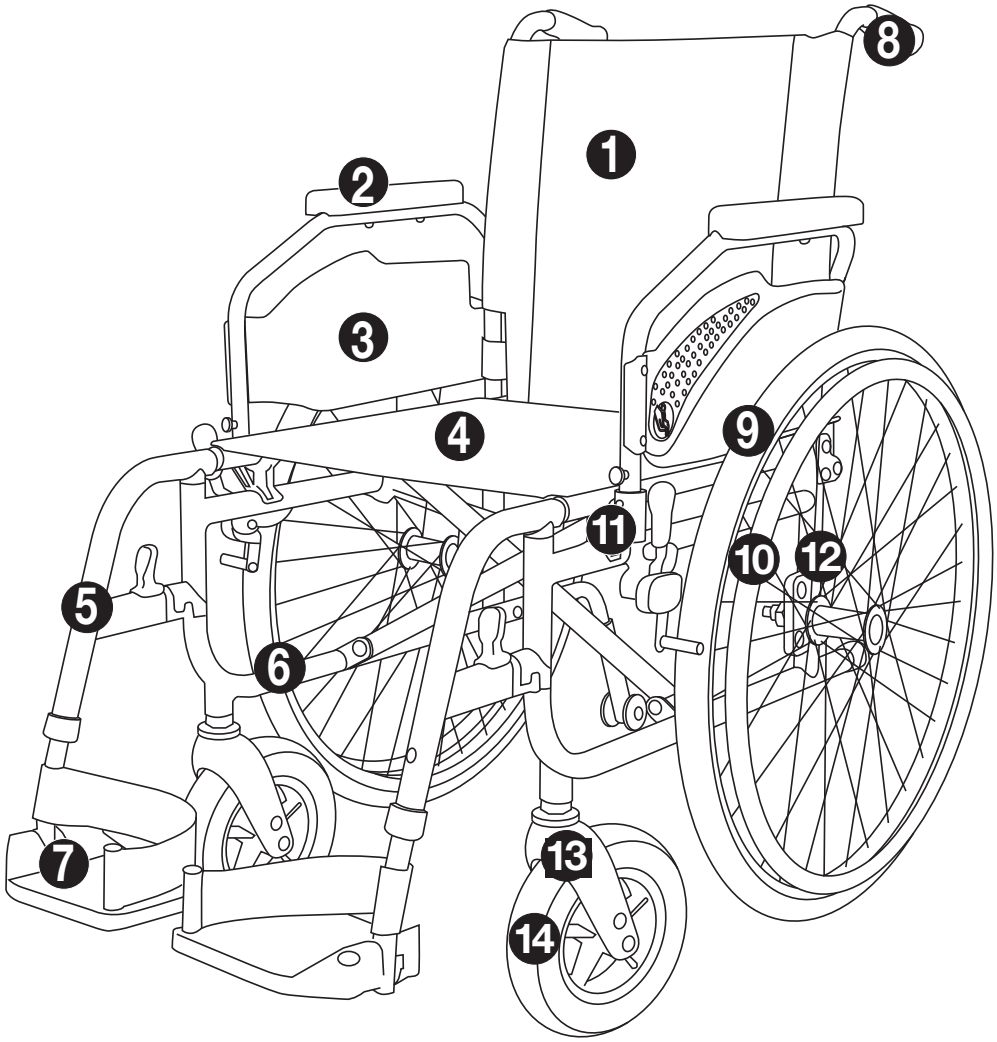



*Figure 1*

1. Backrest with backrest cover
2. Armrests
3. Clothing guards
4. Seat
5. Leg support
6. Frame
7. Footplate
8. Pushing handle
9. Driving wheels
10. Hand rim
11. Brake
12. Wheel block
13. Front castor wheel fork
14. Front castor wheel

## **Assembly** *Figure 2*

The wheelchair is supplied complete as standard. The only thing you need to do is to unfold the chair and, if necessary, fit the leg supports.

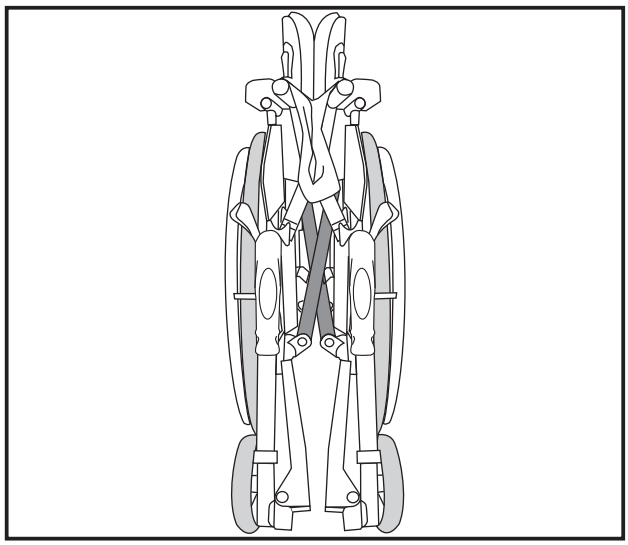


*Figure 2*

## **Unfolding the wheelchair** *Figure 3*

Unfold the wheelchair by pushing down with flat hands on the upholstery next to the seat tubing.

NB: Do not grasp the seat tubing – you may catch your fingers!

Put the seat cushion (accessory) in position and ensure that it lies correctly on the seat fabric.

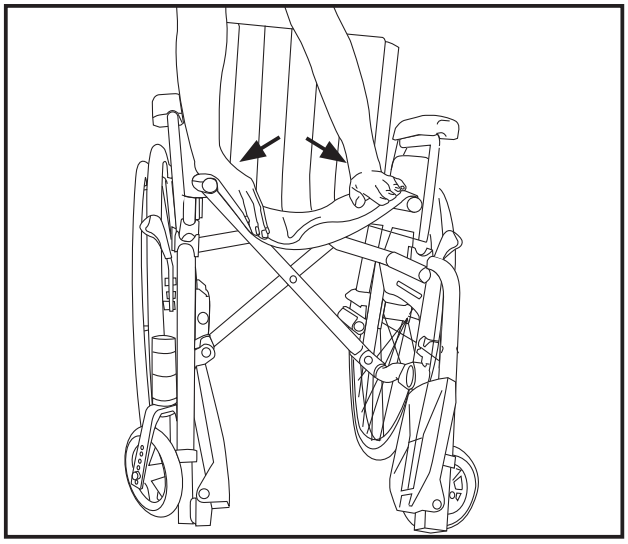


*Figure 3*

## **Folding up the wheelchair** *Figure 4*

Remove the seat cushion (accessory) and fold up the footplates or remove the leg supports before you fold up the wheelchair.

Grasp the seat fabric and lift it directly upwards.
The seat will fold itself up. Make sure that the backrest fabric folds itself backwards.

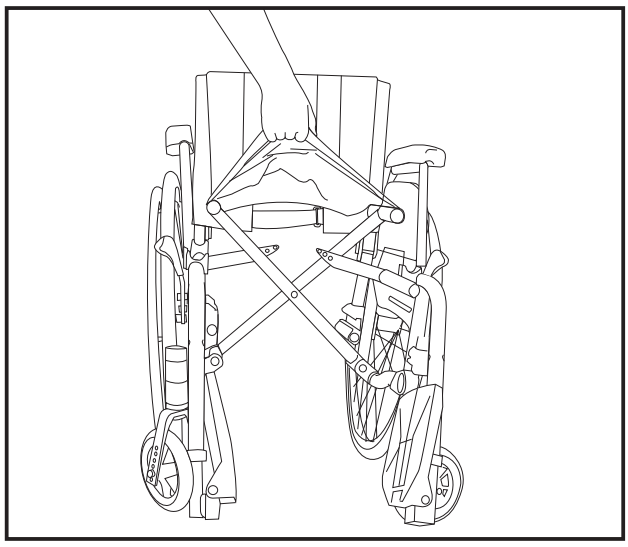


*Figure 4*

## Quick-release hub *Figure 5*

The wheelchair has a quick-release hub on each of the driving wheels. Depress the button in the centre of the driving wheel to remove or replace the wheel.

NB: Check that the wheel is properly fastened by making sure that the button pops out about 5 mm when the wheel bolt is fully in the casing.

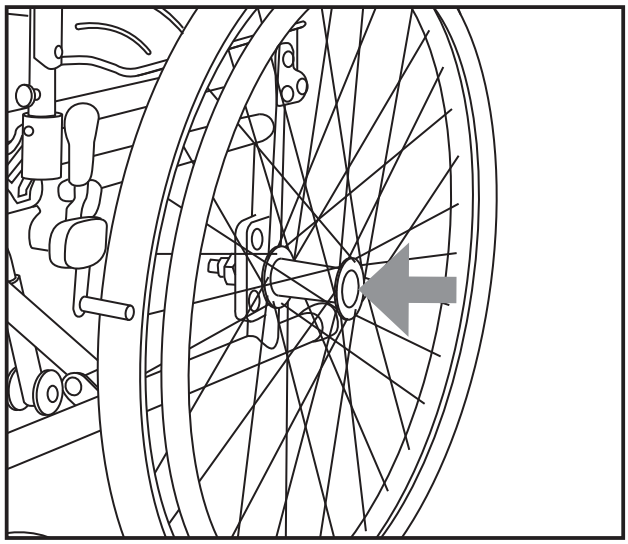


*Figure 5*

## Armrests, swing-up *Figure 6*

- Press the release button and pull up the armrest

Ensure that the armrest locks into position when you swing it back down.

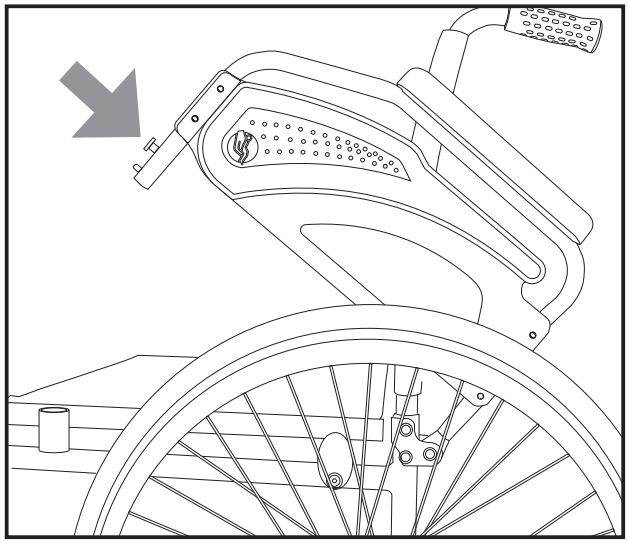


*Figure 6*

## Swinging out/fitting/removing the leg supports *Figures 7*

The leg supports can be swung in and out or removed to make transfers easier.

The leg support is released by turning the handle (7A) inwards or outwards while swinging the leg support.

Once the leg support has been swung to the side, it can be lifted up and removed completely if desired. To replace it, follow the above procedure in the reverse order. The handle will automatically lock itself.

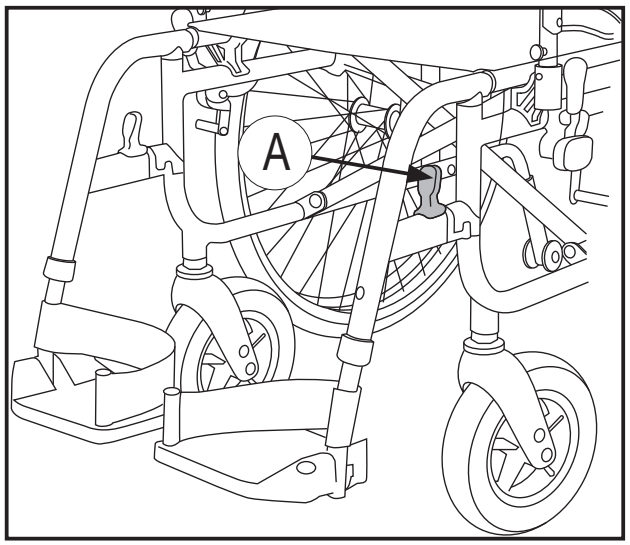



*Figure 7*

## Using the brakes *Figure 8*

Pull the brake lever towards you to lock the brake.

⚠ The brakes are only designed to keep the chair stationary. Under no circumstances must they be used as a driving brake.

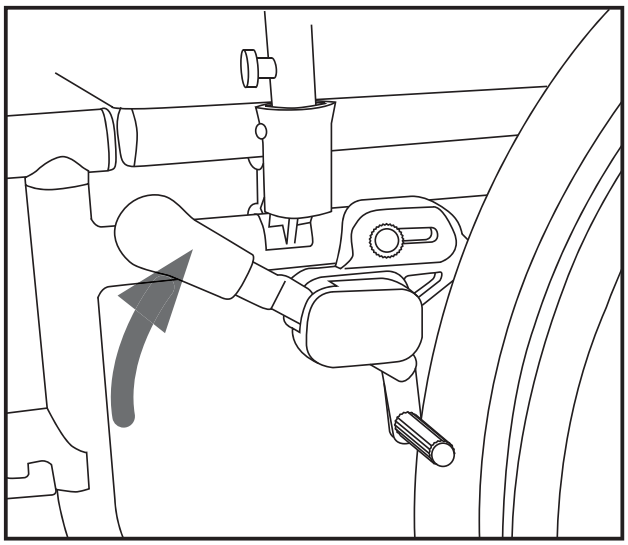


*Figure 8*

## Anti-tip stabiliser *Figure 9*

The anti-tip stabiliser is deployed by pulling it out while simultaneously turning it down.
The anti-tip stabiliser is adjusted as standard with a clearance to the floor which makes it possible to negotiate door sills and similar.

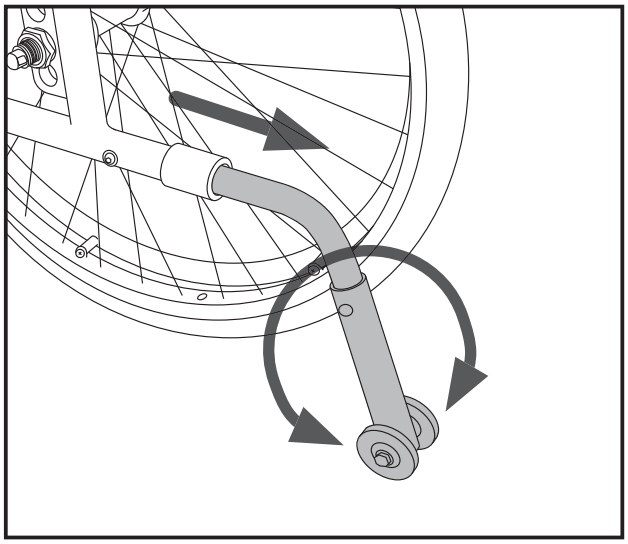


*Figure 9*

## Transferring into and out of the chair

*Figures 10, 11 and 12*

- Engage the brakes
- Swing the leg supports out if necessary
- Move yourself to the front of the chair before transferring to another chair, bed, etc.

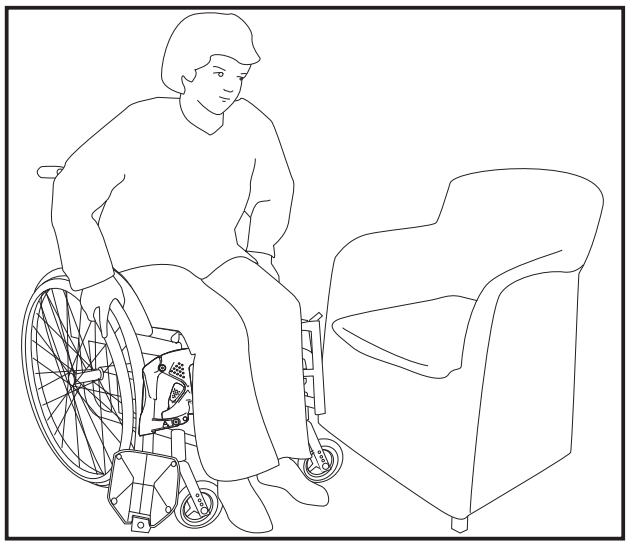


*Figure 10*

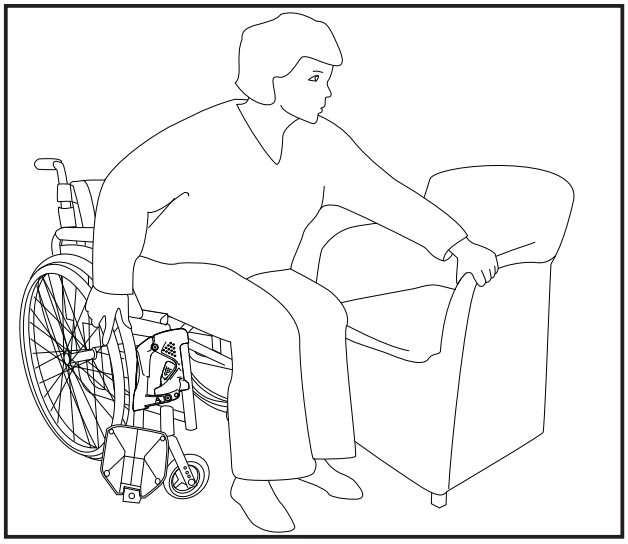


*Figure 11*

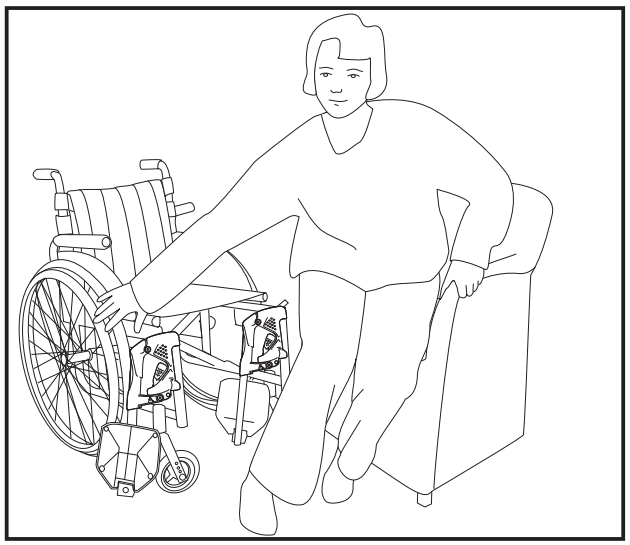


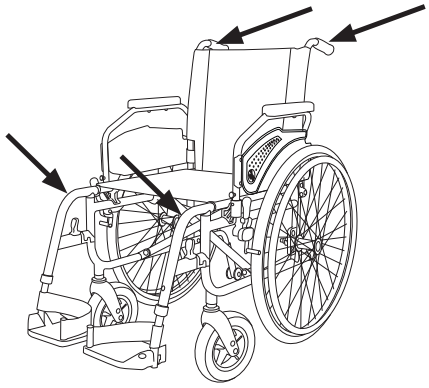
*Figure 12*

## Negotiating obstacles: steps

*Figures 13 and 14*

If the wheelchair is to be lifted up or down steps with the user in the chair, if possible use the recommended lifting points.

The lifting points are the pushing handles and leg supports.



In order for the assistants to have a better lifting position, they may lift one on each side of the chair.

## Negotiating obstacles: kerbstones *Figure 15*

When negotiating kerbstones or similar, swing up the anti-tip stabiliser. Then place a foot on the tipping bar while you simultaneously push with the pushing handles.

## Steep ground

If you frequently use the wheelchair on hilly surfaces, we recommend that a separate assistant brake be installed.

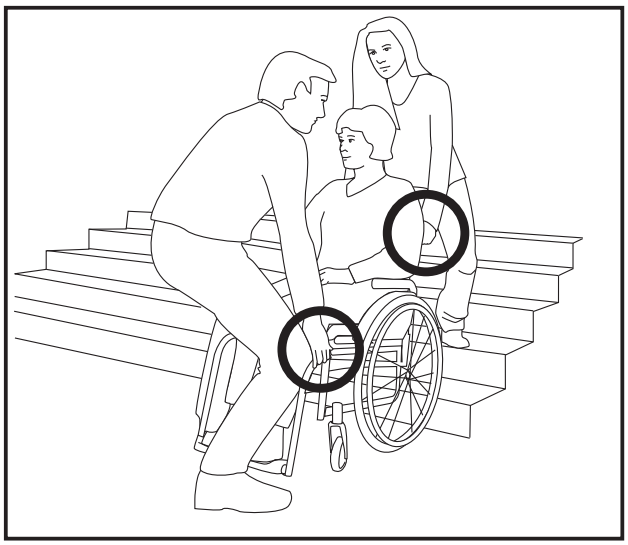


*Figure 13*

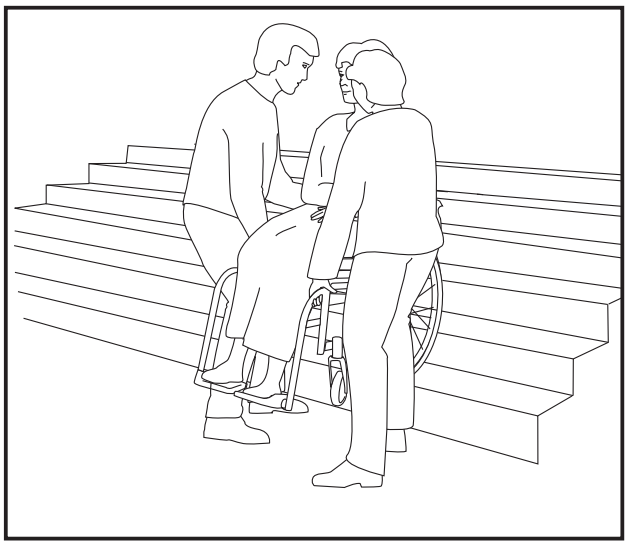


*Figure 14*

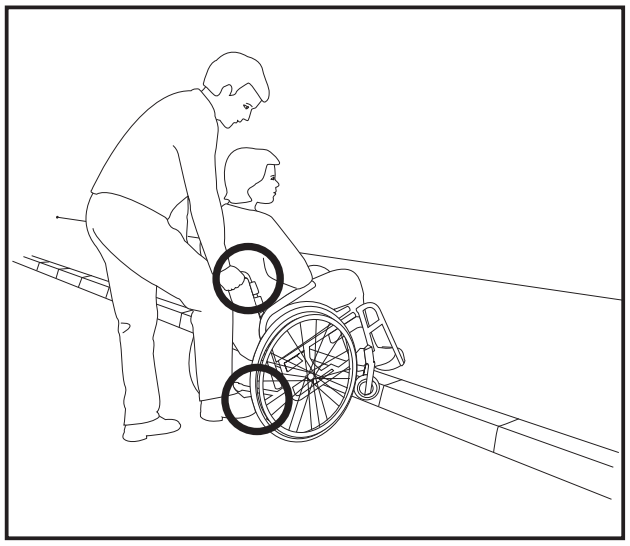


*Figure 15*

## Adjusting the height of the back of the seat *Figure 16*

You can adjust the height of the back of the seat using any of the methods described below.

*Move the wheel up or down*
If you move the wheel up, you lower the seat height. If you move the wheel down, you raise the seat height.

*Change to larger or smaller driving wheels*
Using larger driving wheels raises the seat height, whereas smaller driving wheels lower the seat height.

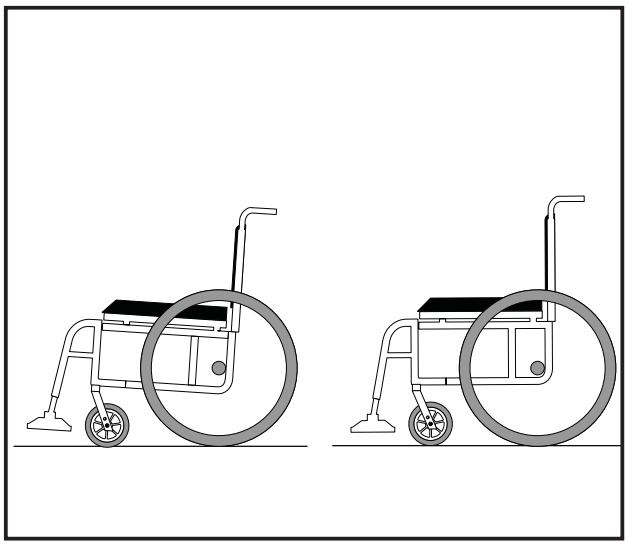


*Figure 16*

## Adjusting the height of the back of the seat *Figure 17*

The height of the back of the seat can be raised or lowered by moving the wheel up or down in the frame.

- Undo the screws (17A)
- Move the wheel up if you wish to lower the seat height
- Move the wheel down if you wish to raise the seat height
- Retighten the screws

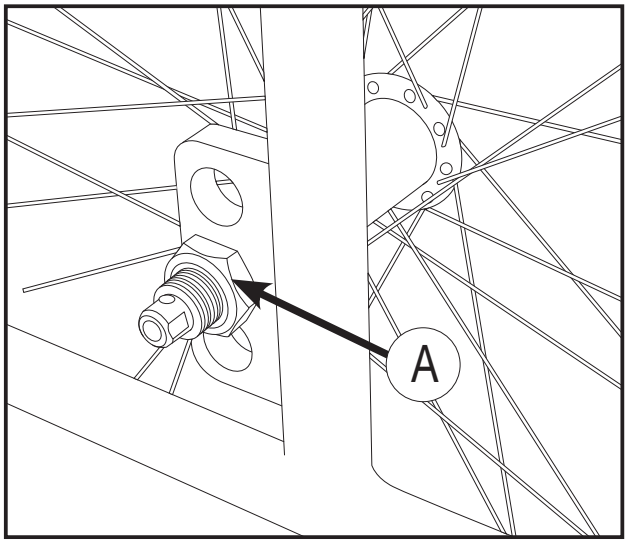



*Figure 17*

## Adjusting the height of the front of the seat *Figure 18*

You can adjust the height of the front of the seat using any of the methods described below.

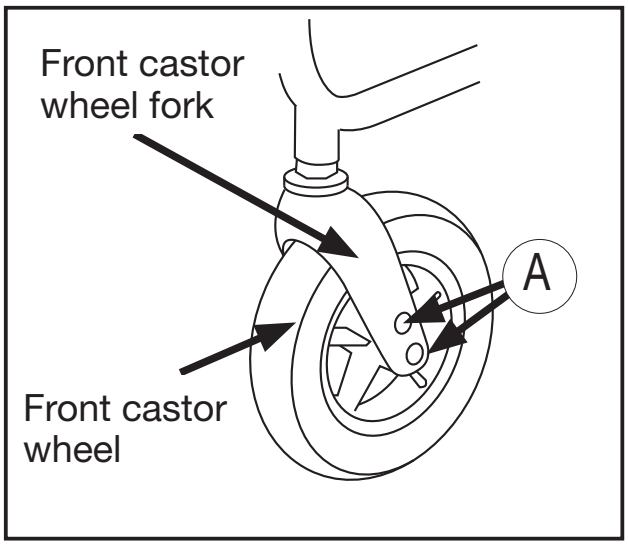



*Figure 18*

*Move the front castor wheel to a higher or lower position in the castor fork*
By moving the castor wheel to a higher position in the castor fork (18A) you lower the seat height; by moving the castor wheel to a lower position you raise the seat height.

- Undo the screw in the hub of the castor wheel fork
- Move the wheel up or down
- Retighten the screw

*Change to larger or smaller castor wheels*
Using a smaller castor wheel lowers the seat height, whereas a larger castor wheel will raise the seat height. If you change the castor wheels to a smaller model, this will reduce the turning circle and thereby make it easier to negotiate tight spaces. It will also provide more room for your legs. On the other hand, using larger castor wheels will increase the turning circle but will make it easier to negotiate uneven surfaces.

## Adjusting the brakes *Figure 19*

To move the brakes, undo the screw (19A) located on the inside of the frame at the front of the chair. Move the entire brake assembly along the track to the desired position. The correct distance between the brake block and the wheel is about 2.5 cm.

It should not normally be necessary to adjust the brakes from the position in which they are delivered.

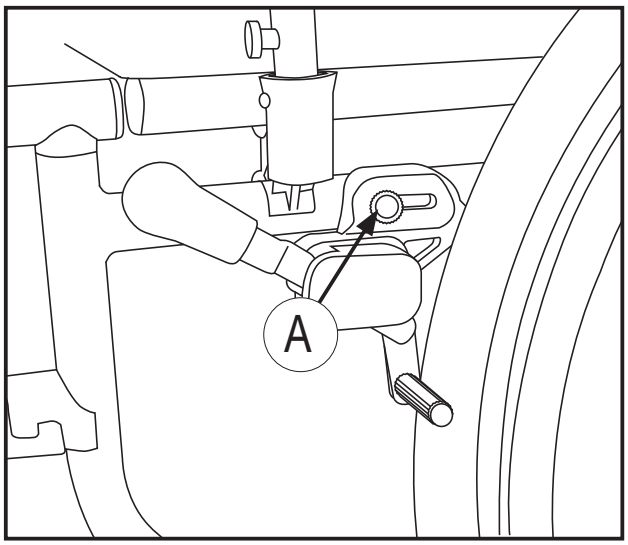



*Figure 19*

## Adjusting the anti-tip stabiliser *Figure 20*

You should adjust the anti-tip stabiliser when you have changed the centre of gravity of the chair.

- Undo the screws (20A). Push or pull the anti-tip stabiliser to the correct position
- There should be a maximum of 25 mm from the end of the anti-tip stabiliser to the floor
- Retighten the screws

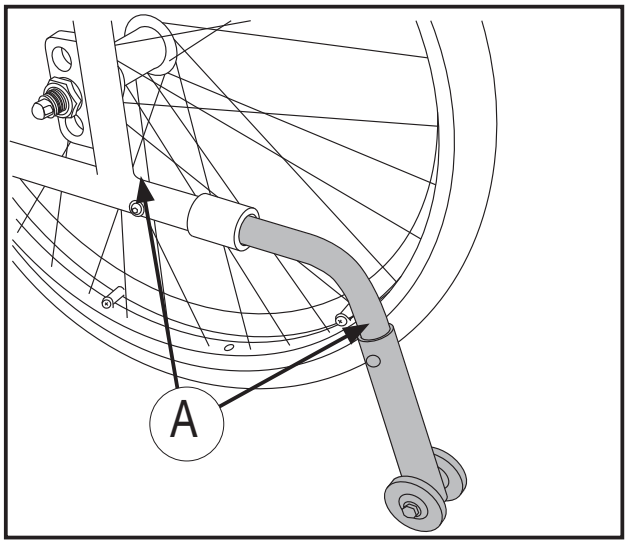



*Figure 20*

## Adjusting the length of the leg supports *Figure 21*

To adjust the length of the leg-rest, unscrew the screws (21A), adjust to the desired length, then replace the screws and tighten.

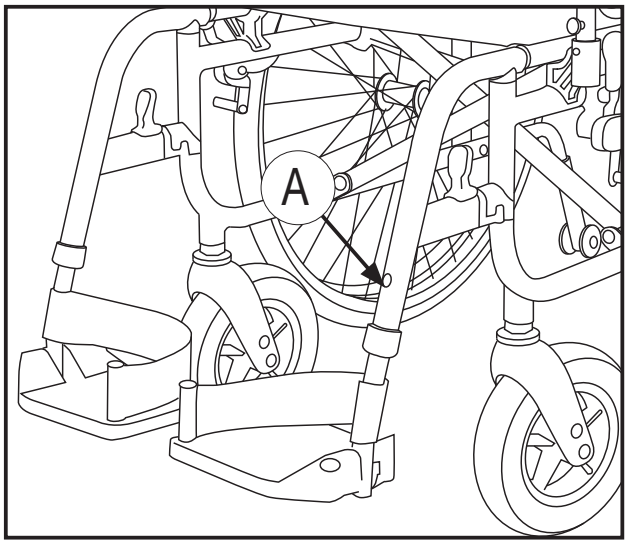



*Figure 21*

## Fitting the hip belt (accessory)

*Figures 22, 23 and 24*

- Unscrew the screw (22A). Use a 4 mm Allen key.
- Fit the hip belt as shown in figure 23. Use the screw you removed.
- Check that the hip belt is correctly adapted to the wheelchair user. The belt should lie firmly over the hip at an angle of approx. 45° from the fixing position on the wheelchair.
- Make sure the belt is clean and that the locking mechanism works at all times. The belt and locking mechanism can be cleaned using a damp cloth.

⚠ Placing the belt over the hip, against the soft skin of the stomach, can result in the wrong sitting position and the user sliding forward in the wheelchair.

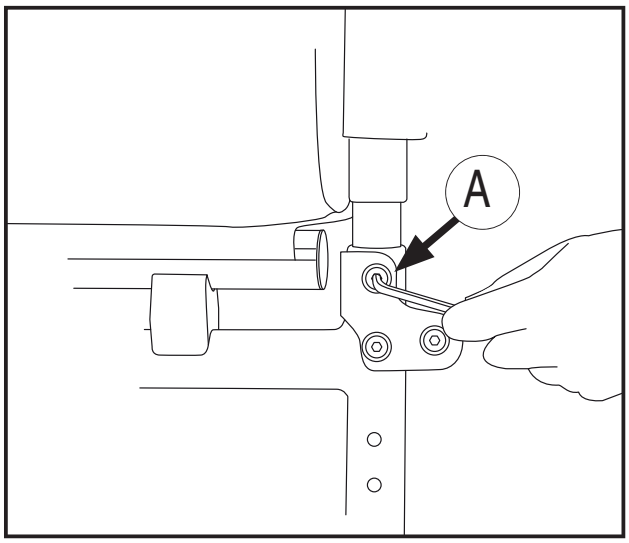



*Figure 22*

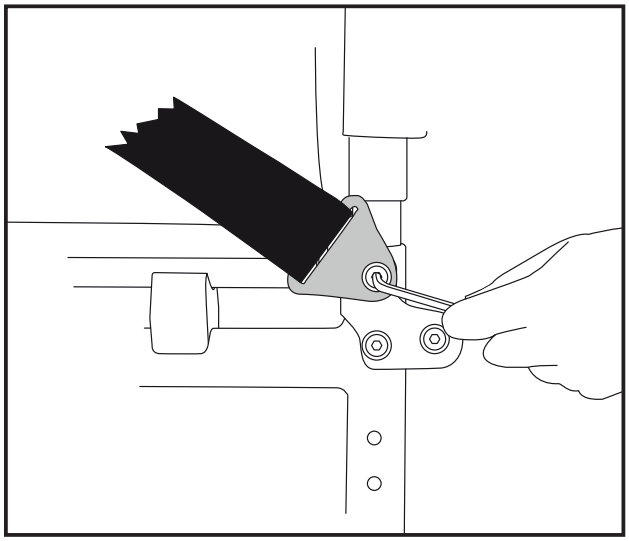


*Figure 23*

*Correct placing of belt*

*Incorrect placing of belt*

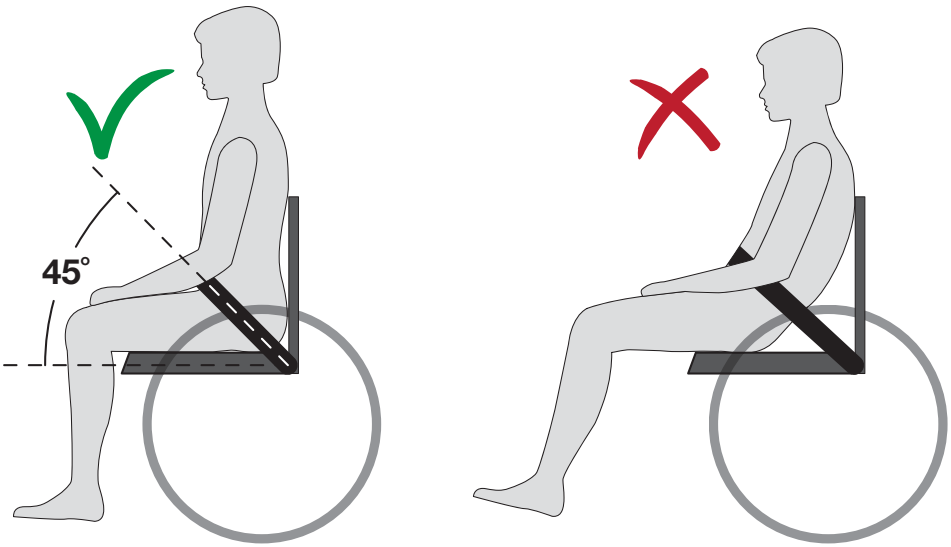



*Figure 24*

# *Safety*

- Do not stand on or exert great pressure on the footplates.
- A wheelchair should be considered as a replacement for walking. Users must therefore move among pedestrians and not on trafficked roadways.
- When you wish to transfer out of the chair, ensure that you are on as stable and even a surface as possible. In order to ensure that the chair does not move, make sure that the brake is in the locked position.
- Exigo 10 must not be used as a passenger seat in a vehicle. The wheelchair user must be transferred to the vehicle's passenger seat and must use the vehicle's safety belt.
- The maximum weight capacity for Exigo 10 is 140 kg.
- You should regularly inspect the chair to reassure yourself that all screws, bolts and other fastenings are secure.
- When the chair is in use, always ensure that the anti-tip stabiliser is activated.
- When any modifications are made to the chair, such as moving the drive wheels, moving the front castor wheels, changing the backrest height, etc., this will affect the chair's rolling characteristics, balance and tipping point. Therefore, be particularly careful when starting to use the chair again.
- It is recommended that a qualified helper be used when transferring into and out of the chair.
- Ensure that clothing, bags and other items do not get caught in the wheel spokes.
- Be aware of the danger of possible trapping injuries: avoid putting your fingers between the clothing guard and the wheel, and between the wheel and the brake.
- If while using the chair it is necessary to raise the front of the chair in order to negotiate an obstruction, never do this by just pressing down on the pushing handles. Tread on the tipping bar while exerting moderate pressure on the pushing handles.
- Sitting in a wheelchair for a long period of time increases the danger of pressure sores. If there is a high risk of pressure sores, we recommend the use of special seat cushions to counteract the problem.
- The surface temperatures can increase when the wheelchair is exposed to external sources of heat (e.g. sunlight).

## Exigo 10 as a passenger seat in a car

Wheelchair users should transfer to the vehicle seat and use the vehicle-manufacturer-installed restraint systems whenever it is feasible, and the unoccupied wheelchair should be stored in a cargo area or secured in the vehicle during travel.

The wheelchair can be used as a passenger seat in a car and has been tested in accordance with ISO 7671-19.

When the wheelchair is used as a passenger seat it should be facing forward.
The wheelchair must be attached to the fastening system it was tested for;
The system is a 4-point fastening system. The system is a total system that fastens both the wheelchair and user to the car. The system requires fastening rails to be mounted in the car.
User restraint system: 3 point shoulder and hip belt.

Exigo 10 has marked off four points (Figure 25) that must be used when securing the wheelchair:

- The rear tubing of the side frame, above the wheel block.
- The front tubing of the side frame, above the legrest hanger.

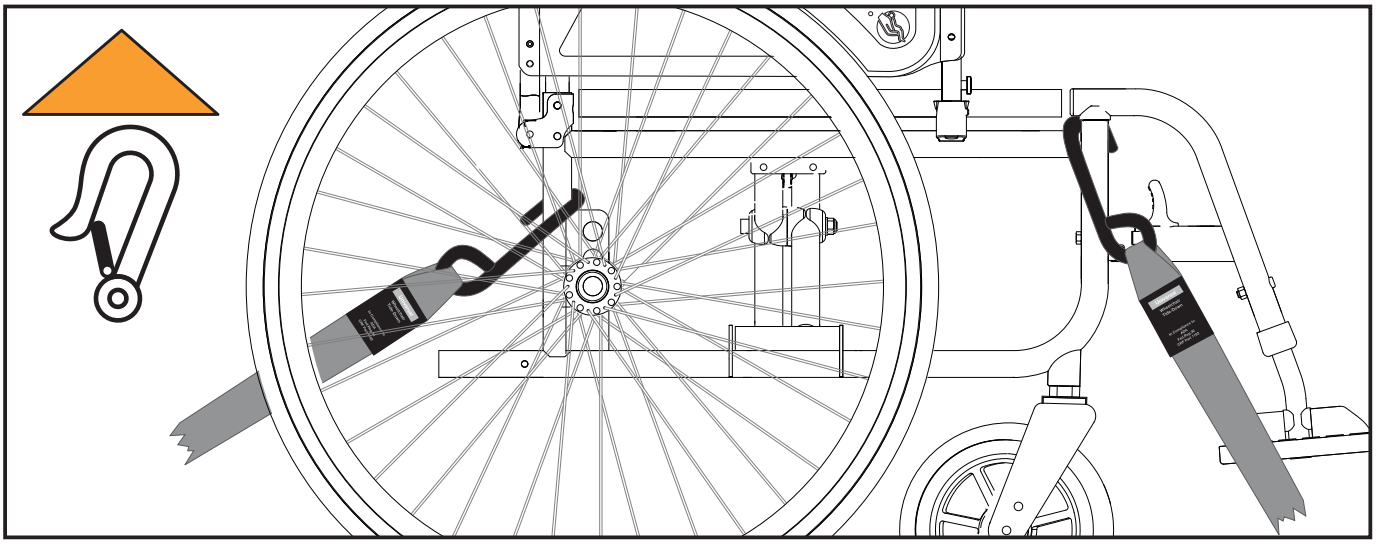


Figure 25

⚠ Handicare relinquishes itself of all responsibility in the event that Exigo 10 is used as a passenger seat in a car using a different fastening system to the one mentioned above.

## Fastening the seat belt:

- The pelvic-belt restraint must be fastened at as steep an angle as possible; between 30° and 75°
- The shoulder-belt restraint is fastened over the shoulder and chest
- The seat belt is fastened as tightly to the body as possible and must not be twisted
- Make sure the belt restraints is not kept away from the body by the wheelchair parts, such as armrests and wheels. For correct positioning, see figure below
- The chair must not be tilted backwards when used as a passenger seat in a car

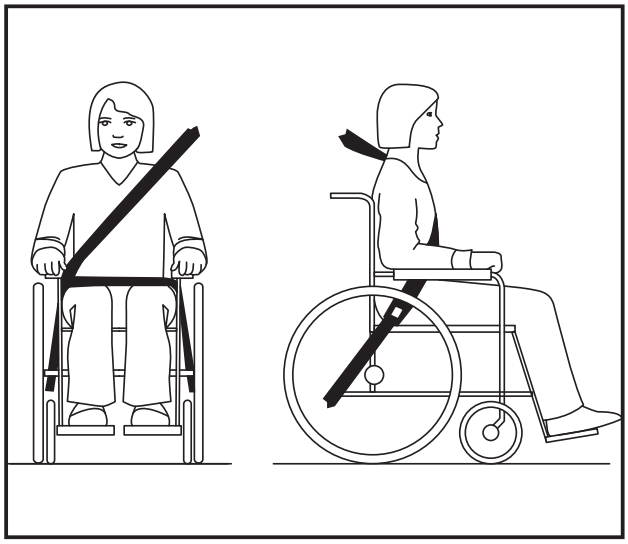
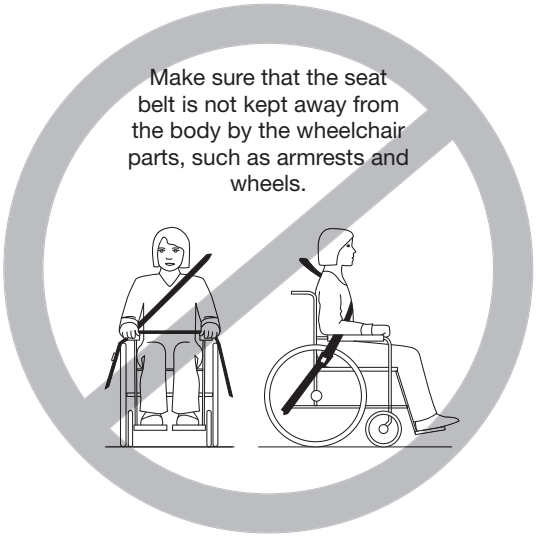


Figure 26




WARNING

a) Where possible, the wheelchair should be in a forward facing direction and secured in accordance with the instructions from the manufacturer of the fastening system.

b) This wheelchair is approved for use in cars and meets the requirements for forward facing transport and head on collisions. The wheelchair has not been tested for other positions in a vehicle.

c) The wheelchair has been dynamically tested in a forward facing direction, with the user secured by both a stomach and chest belt (3-point seat belt)

d) Both the stomach and chest belts should be used to reduce the risk of head and chest injuries in the event of colliding with parts in the car.
e) In order to reduce the risk of injury to the user, tables that are fitted to the wheelchair, which are not designed for crash safety, must be:
   - Removed and secured separately in the vehicle, or
   - Secured to the wheelchair, but with energy-absorbing padding placed between the table and the user
f) Where possible, other wheelchair accessories should be secured to the wheelchair or removed from the chair and secured in the vehicle during transport, so that they don't become loose and cause injury to the user in the event of a collision.
g) Support and positioning equipment must not be regarded as safety equipment/seat belts if they are not labelled in accordance with the requirements of ISO 7176-19-2008.
h) The wheelchair should be inspected by a representative of the manufacturer before being used again after any kind of collision.
i) No changes or replacements must be made to the anchorage points/car fastenings on the wheelchair, or to constructional elements or parts of the frame without consulting the manufacturer.
j) When using electric wheelchairs in motor vehicles, gel-filled batteries should be used.

# *Maintenance*

**Maintenance described in this section can be carried out by the user. Other maintenance work should be carried out by qualified personnel at the supplier in your municipality or at the technical aids centre. For information about repairs or servicing, please contact the technical aids centre in your county.**

## Washing the frame

The frame should be washed regularly with warm soapy water. If the frame is very dirty, a degreasing agent may be used. The frame may be washed with a high-pressure hose. If you use this method, avoid directly spraying the ball bearings. Dry the wheelchair well after washing it or after it has been used in rainy conditions. If a degreasing agent is used, moving parts should be greased afterwards.

## Disinfection

Disinfection must only be carried out by qualified personnel. The wheelchair can be disinfected with disinfectants that contain 70-80% ethanol. Do not use disinfectants containing chlorine or phenol.

## Cleaning the seat and backrest covers

The upholstery and backrest cover can be washed in a washing machine at 60 °C. See the washing instructions on the various textiles.

## Conditions which could damage the wheelchair

The chair should not be used at temperatures below -35 °C or over 60 °C. No specific requirements are made in connection with humidity or air pressure. No further requirements are made regarding storage conditions.

## Screws and nuts

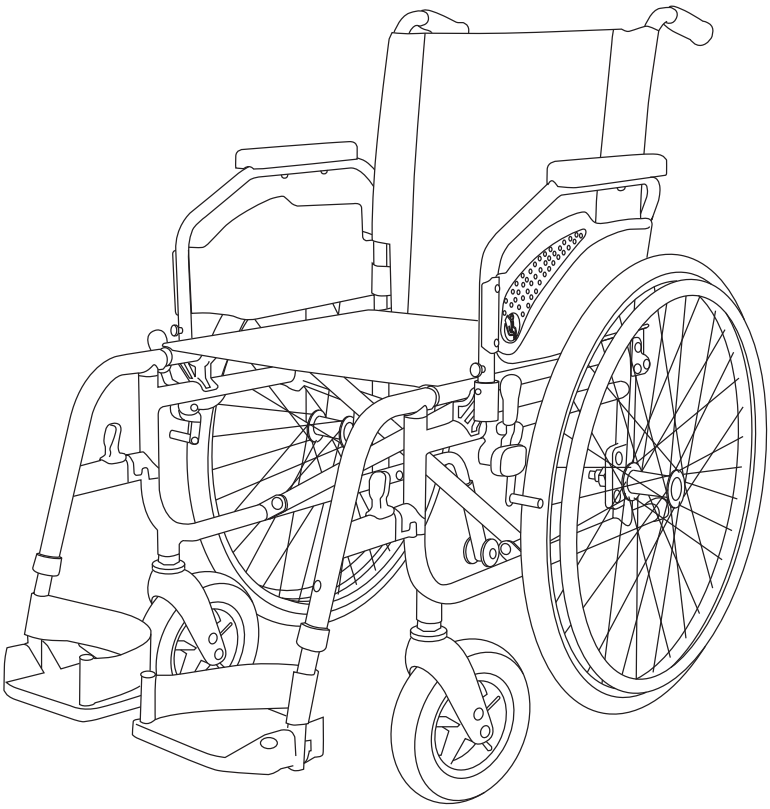
Screws and nuts can become loose over time. Therefore, remember to check and if necessary retighten all screws and nuts on a regular basis. A thread-locking product, such as Loctite Blue No. 243, may be used.
If self-locking nuts have been removed they lose some of their locking ability and should be replaced.

## Driving wheels

The driving wheels are fitted with spokes. These should be checked and adjusted at least once a year. Contact a local bicycle dealership or your nearest technical aids centre.

## Quick-release hub for wheels

The quick-release hub for the driving wheels requires regular inspection. Check that the ball bearings are working satisfactorily. The release bolt and ball bearings should be cleaned and oiled regularly.



## Recommended pressure

The chair is supplied as standard with solid wheels.
Find the indication of the size on the driving wheel or castor wheel, and then read off the recommended *maximum* pressure in the table. Note that a high pressure makes the chair easier to roll, whereas a low pressure gives a smoother ride.
For optimal rolling characteristics, the pressure should be checked regularly.

| | kPa | Bar | PSI |
|---|---|---|---|
| Driving wheel, pneumatic | 350 | 3.5 | 50 |
| Driving wheel, high-pressure | 630 | 6.3 | 90 |
| Front castor wheel, 6", pneumatic | 250 | 2.5 | 35 |
| Front castor wheel, 8", pneumatic | 250 | 2.5 | 35 |

## Inspection after six months, thereafter each year

- Check that the brakes function correctly. Adjust if necessary.
- Check that the tyres are in good condition and that there has been no damage to the sidewalls.
- Ensure that the chair is clean and that all moving parts function correctly.
- Check for any slack in the front castor wheel forks, and adjust if necessary (i.e. the axle should run freely around its axis, but there should be no slack up or down).
- Check and if necessary adjust all screwed connections.

## Repairs

Apart from small repairs to paintwork, the replacement of tyres and inner tubes, and the adjustment of the brakes, all repairs must be undertaken by qualified personnel at the supplier in your municipality or at the technical aids centre.

For information about repairs or servicing, contact the technical aids centre in your county.

## Replacing pneumatic tyres

*Figure 27*

Pneumatic tyres are an accessory

*Removing the tyre*

- Remove the wheel, then deflate the tyre by depressing the little pin in the valve or unscrewing the valve.
- Ensure that the edge of the tyre sits well down in the internal depression of the wheel rim (27A).
- Bend the edge of the tyre over the rim. Use a special tyre lever (27B) if necessary. Take care to ensure that the tube does not become pinched between the lever and the rim.

*Fitting the tyre*

- Put the tube into the new tyre and apply a friction-reducing agent (tyre-fitting lubricant or soap) on the edge of the tyre (27C).
- Ensure that the edge of the tyre sits well down in the depression of the wheel rim on one side. Bend the tyre over the rim edge. Take care to ensure that the tube does not become pinched.
- Inflate to the correct pressure and fit the wheel to the chair.

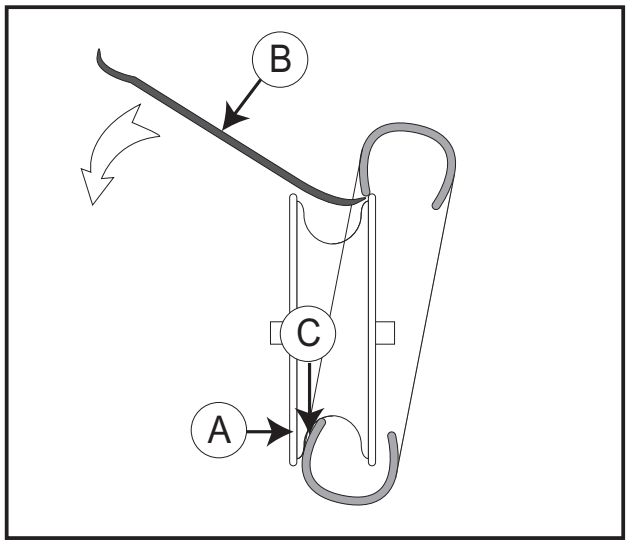



*Figure 27*

## Technical specifications and measurements

The wheelchair is supplied as standard in various different seat heights and seat widths. Which height suits the user of the wheelchair depends on two factors: the height of the individual and how the chair will be used. Consult your dealer or nearest technical aids centre if you are uncertain whether you have the correct height and width. (All measurements are in centimetres unless stated otherwise.)

| | |
|---|---|
| **Seat width** | 39, 42, 45, 48 and 51 cm |
| **Seat depth** | 40, 46 cm |
| **Seat height** | 45, 47 and 49,5 cm |
| **Backrest height** | 40, 43 cm |
| **Armrest height** | 24 cm |
| **Total height** | 90 cm |
| **Total width** | Seat width + 18 cm |
| **Transport width** | 30 cm |
| **Total length** | 100 cm |
| **Weight of chair** | 17,5 kg |
| **Max. user weight** | 140 kg |

The wheelchair and most of the parts are manufactured using a special aluminium alloy. The backrest and seat are covered with flame-retardant material. The driving and caster wheels can be supplied with solid or pneumatic tyres as desired.

Under normal use and with prescribed maintenance, the wheelchair's expected lifespan is approximately seven years.

## Waste handling

Waste relating to packaging, parts of the wheelchair or the wheelchair itself can be treated as general waste. The main component of the wheelchair is aluminium, which can be melted down for reuse. The plastic and cardboard used in the packaging can be recycled.

# *Labelling*

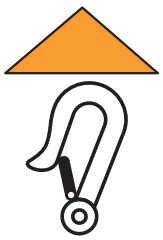
**Product name**

EXIGO 10

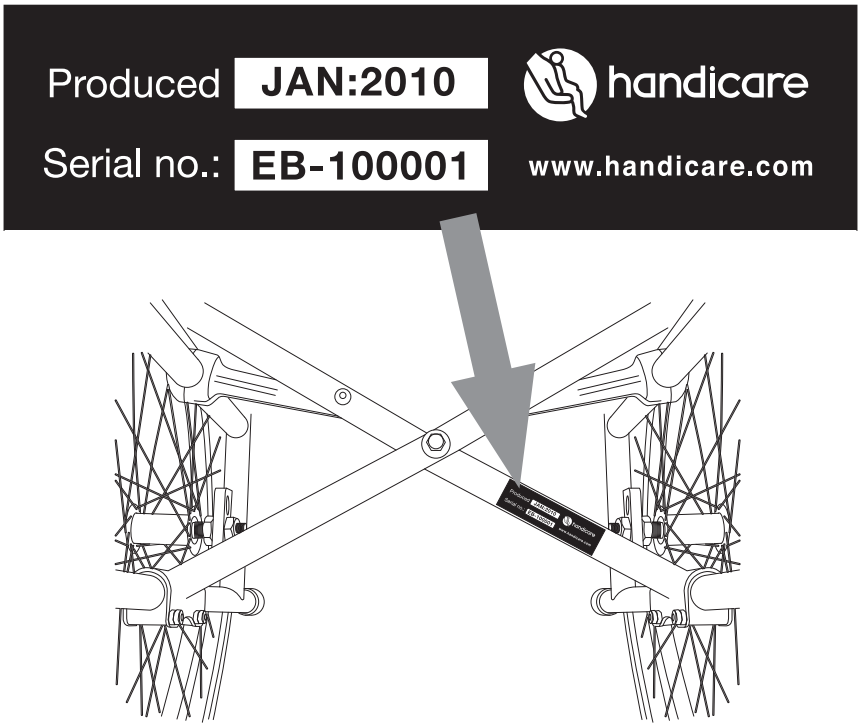
**CE mark**
**Seat width**
**Seat depth**
**Max. user weight**

**Climbing angle**

**Anchorage points car**



**Year and month of production**
**Serial number**



# *Accessories*

- Amputation blocks
- Assistant brake
- Front castor wheels
- Leg support, adjustable-angle
- Backrest, Velcro
- Table

Fitting instructions are supplied with accessories.

Contact your nearest Handicare branch for accessories and spare parts.

## Warranty

**Definitions of terms**

Definitions of terms used in this warranty:

- Consumable part: Part that is subjected to natural wear and tear or natural contamination during normal operation within the lifetime of the product (section 9 of Handicare's general terms and conditions of sale);
- Client: Those who purchase the product directly from Handicare;
- Corrective action: Repair, replace or refund of the product;
- Dealer: Those who re-sell the product to the User;
- Defect: Any circumstance due to which the product is not sound or fit to use, caused by a lack of quality of the material used to manufacture the product as well as the quality of the manufacturing process;
- Option: An accessory delivered by Handicare to extend the standard product model;
- Product: Product that is delivered according to brochure or contract (e.g. wheelchair, scooter, battery-charger etc.);
- Part: Part of product that can be exchanged or replaced. This can be an option, accessory, service part or consumable part;
- Returns: Product or part that needs to be returned;
- RMA-process: Process to return goods, contact your dealer;
- Service part: Part that is durable and may be subjected to natural wear and tear or natural contamination during normal operation within the lifetime of the product.;
- User: Those who use the product;
- Warranty: The rights and obligations set forth in this document;
- Warranty period: The period of time during which the warranty is valid;
- Warranty provider: Handicare B.V., Vossenbeemd 104, 5705 CL Helmond, The Netherlands.

Notwithstanding the rights and obligations of Handicare, Client and User set forth in Handicare's general terms and conditions of sale, the rights of the Client and/or User towards Handicare in case of defects are limited to the provisions set forth in this warranty. For the duration of the warranty period Handicare guarantees that the product is without defects.
In case of any defects the User is required –within two weeks after discovery of the defect- to contact the dealer. He has to complete a return form and return the product or part via the RMA-process. Handicare will, at its sole discretion, take the corrective action it seems fit under the given circumstances within a reasonable period of time (depends on nature of claim) from receipt of the completed return form. The warranty period will not be extended after a corrective action.

# *Guarantee*

**Warranty period table**

| Description | Warranty period | Examples include, but are not limited to the parts mentioned below |
|---|---|---|
| **Frame** | 5 years | Weldment/frame |
| **Service Parts** | New: 1 year after invoice<br>Repaired: 90 days after invoice | Brakes |
| **Consumable parts** | 40 days after invoice | Seat- and back textiles, wheels, griphandles etc. |
| **Options/ Accessories** | 2 years | Headrests, legrests, drum brake etc. Not being service part or consumable part. |

Handicare will only accept shipment costs and corrective costs related to warranty on equipment during the warranty period.

**This warranty will void in case of:**

- The product and/or its parts being modified or items having been added by others than Handicare;
- Changes in cosmetic appearance by use;
- Failure to observe the instructions for use and maintenance, use other than normal use, wear and tear, negligence, collateral damage by neglect of earlier symptoms, overloading, third-party accidents, non-original parts used and defects not caused by the product;
- Circumstances beyond our control (flood, fire, etc.).

**This warranty does not cover:**

- Tyres and inner tubes
- Batteries (covered by the battery manufacturer’s warranty).

Clients and/or Users have legal (statutory) rights under applicable national laws relating to the sale of consumer products. This warranty does not affect statutory rights you may have nor those rights that cannot be excluded or limited, nor rights against the entity from whom the product was purchased. Clients may assert any rights they have at their sole discretion.

# *Notes*

# *Notes*

# *Notes*

# *Notes*

**Warning:** The content of this user manual is only intended as information. This information may be changed without warning and must not therefore be interpreted as an obligation on the part of Handicare. Handicare is not responsible, either legally or financially, for any errors or inaccuracies that may appear in this user manual. All products that are mentioned in this user manual are registered trademarks and cannot be used in other contexts without the consent of Handicare.

Dealer:

Serial number:

CE

handicare

www.handicare.com